2015 Financial Assurance
Estimate Form (with pre-plat construction)

Project Information	
REDTAIL RANCH FILING NO. 1	**7/9/2018**
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	**Quantity**	**Units**		**Price**			**% Complete**	**Remaining**	
Earthwork*	10,000.00	CY	@	$ $5	=	$ 50,000.00		$ 50,000.00	*
Permanent Seeding* (inc. noxious weed mgmnt.)	4.50	AC	@	$ $582	=	$ 2,619.00		$ 2,619.00	*
Mulching*	4.50	AC	@	$ $507	=	$ 2,281.50		$ 2,281.50	*
Permanent Erosion Control Blanket*		SY	@	$ $6	=	$		$ -	*
Temporary Erosion Control Blanket		SY	@	$ $3		$		$ -	
Vehicle Tracking Control	2.00	EA	@	$ $1,625	=	$ 3,250.00		$ 3,250.00	
Safety Fence		LF	@	$ $3	=	$		$ -	
Silt Fence	1,790.00	LF	@	$ $4	=	$ 7,160.00		$ 7,160.00	
Temporary Seeding	3.30	AC	@	$ $485	=	$ 1,600.50		$ 1,600.50	
Temporary Mulch	3.30	AC	@	$ $507	=	$ 1,673.10		$ 1,673.10	
Erosion Bales		EA	@	$ $21	=	$		$ -	
Erosion Logs		LF	@	$ $6	=	$		$ -	
Rock Ditch Checks		EA	@	$	=	$		$ -	
Inlet Protection	3.00	EA	@	$ $153	=	$ 459.00		$ 459.00	
Sediment Basin	2.00	EA	@	$ $1,625	=	$ 3,250.00		$ 3,250.00	
Concrete Washout Basin	1.00	EA	@	$ $776	=	$ 776.00		$ 776.00	
Permanent ECB/TRM			@	$	=	$		$ -	
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process.									
				Section 1 Subtotal	=	$ 73,069.10		$ 73,069.10	

Section 2 - Public Improvements**	**Quantity**	**Units**		**Price**			**% Complete**	**Remaining**	
- Roadway Improvements									
Construction Traffic Control	1.00	LS	@	$ 2,000	=	$ 2,000.00		$ 2,000.00	*
Aggregate Base Course (Locals roads)	3,750.00	Tons	@	$ $18	=	$ 67,500.00		$ 67,500.00	*
Asphalt Pavement (Local roads)	3,350.00	Tons	@	$ $65	=	$ 217,750.00		$ 217,750.00	*
Raised Median, Paved		SF	@	$ $7	=	$		$ -	*
Electrical Conduit, Size =		LF	@	$ $14	=	$		$ -	*
Traffic Signal, complete intersection		EA	@	$ $250,000	=	$		$ -	*
Regulatory Sign	2.00	EA	@	$ $100	=	$ 200.00		$ 200.00	*
Advisory Sign	2.00	EA	@	$ $100	=	$ 200.00		$ 200.00	*
Guide/Street Name Sign	3.00	EA	@	$ $300		$ 900.00		$ 900.00	*
Epoxy Pavement Marking		SF	@	$ $12	=	$		$ -	*
Thermoplastic Pavement Marking (Round-about markings)		SF	@	$ $22	=	$		$ -	*
Barricade - Type 3		EA	@	$ $115	=	$		$ -	*
Delineator (Type I)		EA	@	$ $21	=	$		$ -	*
Curb and Gutter, Type C (Ramp)		LF	@	$ $21	=	$		$ -	*
Curb and Gutter, Type E Modified (4" mountable island)		LF	@	$ $13	=	$		$ -	*
Curb and Gutter, Type B (Round-about entry medians)		LF	@	$ $13	=	$		$ -	*
Pedestrian Ramp		SY	@	$ $108	=	$		$ -	*
Cross Pan		SY	@	$ $53	=	$		$ -	*
Curb Chase		EA	@	$ $1,300	=	$		$ -	*
Guardrail Type 3 (W-Beam)		LF	@	$ $18	=	$		$ -	*
Guardrail Type 7 (Concrete)		LF	@	$ $67	=	$		$ -	*

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Gravel for Ward Rd. turnaround.

Guardrail End Anchorage			EA	@	$	$1,978	=	$		$ -	*
Guardrail Impact Attenuator			EA	@	$	$3,564	=	$		$ -	*
Sound Barrier Fence			LF	@	$	$100	=	$		$ -	*
Concrete Sidewalk (5" thickness)			SY	@	$	$58	=	$		$ -	
- Storm Drain Improvements											
Concrete Box Culvert (M Standard), Size Dual (10 x 4)			LF	@	$		=	$		$ -	*
Reinforced Concrete Pipe (RCP)	Size		LF	@	$		=	$		$ -	*
18" Reinforced Concrete Pipe		50.00	LF	@	$	$69	=	$ 3,450.00		$ 3,450.00	*
24" Reinforced Concrete Pipe		45.00	LF	@	$	$84	=	$ 3,780.00		$ 3,780.00	*
30" Reinforced Concrete Pipe		72.00	LF	@	$	$94	=	$ 6,768.00		$ 6,768.00	*
36" Reinforced Concrete Pipe			LF	@	$	$124	=	$		$ -	*
42" Reinforced Concrete Pipe			LF	@	$	$134	=	$		$ -	*
48" Reinforced Concrete Pipe			LF	@	$	$178	=	$		$ -	*
54" Reinforced Concrete Pipe			LF	@	$	$182	=	$		$ -	*
60" Reinforced Concrete Pipe			LF	@	$	$216	=	$		$ -	*
66" Reinforced Concrete Pipe			LF	@	$	$263	=	$		$ -	*
72" Reinforced Concrete Pipe			LF	@	$	$283	=	$		$ -	*
Corrugated Steel Pipe (CSP)	Size		LF	@	$		=	$		$ -	*
18" Corrugated Steel Pipe			LF	@	$	$66	=	$		$ -	*
24" Corrugated Steel Pipe			LF	@	$	$96	=	$		$ -	*
30" Corrugated Steel Pipe			LF	@	$	$101	=	$		$ -	*
36" Corrugated Steel Pipe			LF	@	$	$136	=	$		$ -	*
42" Corrugated Steel Pipe			LF	@	$	$147	=	$		$ -	*
48" Corrugated Steel Pipe			LF	@	$	$169	=	$		$ -	*
54" Corrugated Steel Pipe			LF	@	$	$193	=	$		$ -	*
60" Corrugated Steel Pipe			LF	@	$	$227	=	$		$ -	*
66" Corrugated Steel Pipe			LF	@	$	$278	=	$		$ -	*
72" Corrugated Steel Pipe			LF	@	$	$330	=	$		$ -	*
78" Corrugated Steel Pipe			LF	@	$	$381	=	$		$ -	*
84" Corrugated Steel Pipe			LF	@	$	$432	=	$		$ -	*
Flared End Section (FES) 18"	┼	2.00	EA	@	$	414	=	$ 828.00		$ 828.00	*
Flared End Section (FES) 24"		2.00	EA	@	$	504	=	$ 1,008.00		$ 1,008.00	*
Flared End Section (FES) 30"		2.00	EA	@	$	564	=	$ 1,128.00		$ 1,128.00	*
Flared End Section (FES) 36"			EA	@	$	744	=	$		$ -	*
Flared End Section (FES) 48"			EA	@	$	1,068	=	$		$ -	*
Flared End Section (FES) CSP	┼		EA	@	$		=	$		$ -	*
End Treatment- Headwall			EA	@	$	4,000	=	$		$ -	*
End Treatment- Wingwall			EA	@	$	10,000	=	$		$ -	*
End Treatment - Cutoff Wall			EA	@	$	3,000	=	$		$ -	*
Curb Inlet (Type R) L=5', Depth < 5 feet			EA	@	$	$3,791	=	$		$ -	*
Curb Inlet (Type R) L=4', 5'-10' Depth			EA	@	$	$5,300		$		$ -	*
Curb Inlet (Type R) L =6' , 5'-10' Depth			EA	@	$	$6,000	=	$		$ -	*
Curb Inlet (Type R) L =8', 5'-10' Depth			EA	@	$	$7,000	=	$		$ -	*
Curb Inlet (Type R) L =10' , 5'-10' Depth			EA	@	$	$7,500	=	$		$ -	*
Curb Inlet (Type R) L =12' , 5'-10' Depth			EA	@	$	$8,300	=	$		$ -	*
Curb Inlet (Type R) L =15' , Depth < 5 feet			EA	@	$	$7,923	=	$		$ -	*
Curb Inlet (Type R) L =15' , 5'-10' Depth			EA	@	$	$8,000	=	$		$ -	*
Curb Inlet (Type R) L =15' , 10'-15' Depth			EA	@	$	$8,800	=	$		$ -	*
Curb Inlet (Type R) L =20' , Depth < 5 feet			EA	@	$	$8,000	=	$		$ -	*
Curb Inlet (Type R) L =20' , 5'-10' Depth			EA	@	$	$8,830	=	$		$ -	*
Curb Inlet (Type R) L =_____', __' - __' Depth			EA	@	$		=	$		$ -	*
Curb Inlet (Type R) L =_____', __' - __' Depth			EA	@	$		=	$		$ -	*
Grated Inlet (Type C), < 5' deep			EA	@	$	$3,270	=	$		$ -	*
Grated Inlet (Type D), < 5' deep			EA	@	$	$3,908	=	$		$ -	*
Storm Sewer Manhole, Box Base, Depth < 15 feet			EA	@	$	$8,592	=	$		$ -	*
Storm Sewer Manhole, Slab Base, Depth < 15 feet			EA	@	$	$4,575	=	$		$ -	*
Geotextile (Erosion Control) Roadside ditches			SY	@	$	$5	=	$		$ -	*
Rip Rap, d50 Size from 6" to 24"		20.00	CY	@	$	$98	=	$ 1,960.00		$ 1,960.00	*
Rip Rap, Grouted			CY	@	$	$215	=	$		$ -	*
Drainage Channel Construction, Size (W x H)			LF	@	$		=	$		$ -	*
Channel Lining, Concrete			CY	@	$	$450	=	$		$ -	*
Channel Lining, Rip Rap			CY	@	$	$98	=	$		$ -	*

Channel Lining, Grass		AC	@	$	$1,287	=	$		$ -	*
Channel Stabilization (40' wide utility crossing)		SY	@	$	$3	=	$		$ -	*
Detention Outlet Structure		EA	@	$	8,000	=	$		$ -	*
Detention Emergency Spillway		EA	@	$	1,000	=	$		$ -	*
Permanent Water Quality Facility (SAND FILTER BASIN)	2.00	EA	@	$	18,000	=	$ 36,000.00		$ 36,000.00	*
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process. ┼ For flared end sections, multiply pipe LF cost by 6						=	343,472.00		343,472.00	**
				Section 2 Subtotal		=	$			

Permanent Sediment Control BMP

Section 3 - Common Development Improvements (Private or District)* **	**Quantity**	**Units**		**Price**			**% Complete**	**Remaining**
- Roadway Improvements								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	$	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
- Storm Drain Improvements								
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	$	=	$		$ -
			@	$	=	$		$ -
			@	$	=	$		$ -
- Water System Improvements								
Water Main Pipe (PVC), Size 8"		LF	@	$ $94	=	$		$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	@	$ $137	=	$		$ -
Gate Valves, 8"		EA	@	$ $1,852	=	$		$ -
Fire Hydrant Assembly w/ all valves		EA	@	$ $6,430	=	$		$ -
Water Service Line Installation, including tap and valves		EA	@	$ 1,253	=	$		$ -
Fire Cistern Installation, complete		EA	@	$	=	$		$ -
- Sanitary Sewer Improvements								
Sewer Main Pipe (PVC), Size 8"		LF	@	$ $94	=	$		$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	@	$ $4,575	=	$		$ -
Sanitary Service Line Installation, complete		EA	@	$ 1,516	=	$		$ -
Sanitary Sewer Lift Station, complete		EA	@	$	=	$		$ -
- Landscaping (If Applicable)								
		EA	@	$	=	$		$ -
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@	$	=	$		
		EA	@	$	=	$		$ -
		EA	@	$	=	$		$ -
		EA	@	$	=	$		$ -
***items in this section are not subject to defect warranty financial assurance				**Section 3 Subtotal**	=	$		

Trail material?

Financial Assurance Totals		
As-built drawings - **(FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)**	$	$2,000
(Inc. survey to verify detention pond volumes.)	**Total Construction Financial Assurance**	**$418,541.10**
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	**418,541.10**
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	**$79,674.50**
	(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)	

Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the approved Construction Drawings associated with the Project.

Engineer	Date
(P.E. Seal)	
Approved by Owner / Applicant	Date
Approved by El Paso Couny Engineer / ECM Administrator	Date

Provide all required items. Some that appear to be missing are highlighted.